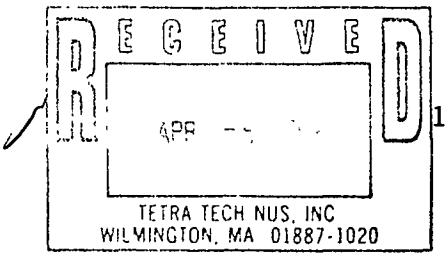

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18 March 1999

Dear RAB Membership:

Enclosed is a copy of the minutes from the March 17, 1999 RAB meeting. If you have any questions about this matter, please contact me at (401) 841-3735.

Very truly yours,

Brenda Eline

Brenda Eline
Acting RAB Secretary

Copy to: (w/enc)
Dr. D.K. Abbass
Ms. Barbara Barrow
Ms. Mary A. Blake
Dr. David W. Brown
Mr. Richard D. Coogan
Mr. Paul M. Cormier
Mr. Anthony D'Agnenica
Ms. Beth Everett
Mr. Byron Hall
Mr. Eugene Love
Ms. Elizabeth Mathinos
Mr. Joseph Mello
Mr. Thomas McGrath
Mr. John Palmieri
Mr. Howard L. Porter
Mr. John Vitkevich
Ms. Claudette Weissinger
Ms. Mary Philcox
Mr. David Egan
Mr. Tom Nicholson
Mr. Paul Kulpa, DEM
Ms. Kymberlee Keckler, EPA
Capt,. Jon Wyman, NAVSTA

Capt. A.C. Oakleaf, NAVSTA
Mr. James Barden
Hon. Paul W. Crowley
Hon. June Gibbs
Mr. Joseph F. McEnness
Mr. Paul Russell
Mr. Charles Salmond
Mr. John Torgan
Ms. Beth Timm
Mr. Greg Tracey
Councilman Dennis McCoy
Mr. Vincent Arnold
Dr. David Kim
Mr. Brian Bishop
Sister Annie Marie Walsh
Brother Joseph
Newport Public Library
Ms. Joanne Gorman, Middletown Free Library
Portsmouth Free Public Library
Mr. Bob Jones, Groton
Mr. David Sanders, NAVSTA
Mr. David Dorocz, NAVSTA
Ms. Melissa Griffin, NAVSTA
Mr. Woody Monaco, NAVSTA
Ms. Sara White, EPA
Ms Jennifer Hayes, Gannett Fleming
Mr. Tim Prior, USF&WS
Mr. Ken Finkelstein, NOAA
Ms. Diane McKenna, TtNUS, Willington
Mr Garth Glenn, TtNUS, Philadelphia

w/o encl:
Mr. R. Boucher, NORTHDIV
Ms. Meg Price, TtNUS, Philadelphia

NAVAL STATION NEWPORT
RESTORATION ADVISORY BOARD MEETING
March 17, 1999

MINUTES

On Wednesday, March 17, 1999, the NAVSTA Newport Installation Restoration Program Restoration Advisory Board (RAB) gathered at the Officers Club for its monthly meeting. The meeting began at 7:13 and ended at 9:00.

Ten of the 17 RAB community members were in attendance:
In attendance were: Dave Brown, Claudette Weissinger, Liz Mathinos, Kathy Abbass, Beth Everett, Tom McGrath, John Palmieri, Anthony M. D'Agnenica, Gene Love, Barbara Barrow, Byron Hall, John Vitkevich, Mary Blake, Manual Furtado and Joseph Mello. Other people attending from various agencies were; in attendance were: Kimberly Keckler, EPA Remedial Project Manager; Capt A.C. Oakleaf, Commanding Officer NAVSTA, Newport, Jim Shafer, NORTHDIV's Remedial Project Manager, David Peterson, Alice Kaufman and Sarah White of EPA, Richard Gottlieb from RIDEM representing RAB member David Egan, TAG Technical Advisor, Present from the NAVSTA Environmental Division was Dave Dorocz and Melissa Griffin. Shannon Behr, SAIC, David Sanders, NAVAL Station PAO, Beth Timm, ATSDR, Rick Macado, NUWC.

Mr. David Dorocz of the Environmental Protection Division, Naval Station Newport opened the meeting welcoming the attendees and asked if there were any corrections to the last meetings minutes. Meeting minutes were excepted.

OLD BUSINESS

Jim Shafer reviewed the status of site projects:

Tank #5 – Survey will be executed for 2 additional bedrock wells.

Mellville North Landfill – A work plan has been finalized. An approval letter will follow from RIDEM after completion of cleanup.

Old Fire Fighter Trainer Area Offshore – The Navy will submit a Human Health Risk Assessment in April.

McAllister Point Landfill Offshore – Sampling will take place on March 26th. A Ecological Advisory Board meeting will take place on March 18, 1999 to discuss the preliminary remediation goals (PRGs).

COMMITTEE REPORTS

Planning Committee - It was concluded that an Administrative Committee needs to be established to handle administrative decisions and training issues.

Project Committee – It was noted that a Project Committee member will be present at all TAG meetings.

Membership Committee - The election of a Co-chair will take place in April. Nominations will be made at the next meeting with voting to take place in May.

Public Information Committee – The Newsletter will be mailed in early April. The committee will meet mid-month to discuss possible topics for the next edition of the Newsletter.

TAG REPORT

Dave Egan stated that there were two crucial PRG's and they were involving the cleanup at McAllister Point and Derecktor Shipyard.

Gould Island – DEM has concerns about the demolition. A meeting will be held after the Navy submits a Work Plan.

PRESENTATION ON KATY FIELD PUBLIC HEALTH ASSESSMENT

Presenter: Carol Hossom (ATSDR)

Ms. Hossom briefly described her agency as public health consultants. The Health Assessment done on Katy Field concludes that there is no likely health risk and that it is not likely that anyone would or should be sick from exposure to the site.

A full consultation report will be completed and distributed within two weeks.

At the last public meeting there was a request for another meeting to be held. That meeting will take place after the final report is distributed. The Navy stated that they would not be participating in that meeting.

Question: Should local area physicians receive a copy of this report?

Response: Some people that had concerns were referred to the Occupational and Environmental Clinics directly from their physicians, but anyone that wants their physician to receive a report may request so.

Question: What is the purpose of the third public meeting?
Response: It was promised to the public and we will follow through.

SLIDE PRESENTATION OF THE OLD FIRE FIGHTING TRAINING AREA ECOLOGICAL RISK ASSESSMENT:
Presented by: Greg Tracey, (SAIP)

Site Facts in the Assessment of the Old Fire Fighting Training area include:

- Location on Northern Coasters Harbor Island next to Coasters Harbor on the lower East Passage of Narragansett Bay.
- What chemical was used for putting out fires when the site was used for the training of fire fighting?
- The findings of prior investigations of onshore and near shore locations.

Mr. Tracey's presentation is included as Enclosure (1).

NEWSLETTER DEVELOPMENT PROCESS

A draft RAB Newsletter was distributed and the following comments were received:

Question: Should the newsletter be simplified?

Response: The newsletter has been handed out two times and there has been no feedback about alterations. Any suggestions for the next edition will be gladly accepted.

Response: Mary Sanderson (EPA) suggested that topics such as dredging may be of interest and suggested that looking at other Newsletters may be helpful in collecting ideas.

It was suggested that the local libraries be added to the list of distribution for the Newsletter, which at this time the distribution is approximately 500.

Jim Shafer from NORTHDIV will submit an article on Melville North Landfill to be included in the next Newsletter.

Any comments may be faxed to the Environmental Protection Division, NAVSTA, Newport Office, at Fax # 841-7071, or call 841-3735.

NEXT RAB MEETING

A RAB community member will make a presentation at the next meeting on the progress made at the 6pm internal meeting. An overview of Building 32 at Gould Island is scheduled to be presented by the Environmental Division.

Enclosures/Handouts: Draft RAB Newsletter
Old Fire Fighting Training Area Ecological Risk Assessment
Attendance Sheet

6PM RAB Meeting Minutes

Old Business:

Revised Minutes of the RAB meeting of 17 February 1999 are as follows:

RAB Charter, Objectives and Responsibilities – The participants agreed that where there is a strong agreement among community members on an issue that the RAB should express this opinion in writing as a" sense of the RAB" and distribute it as the community members see fit.

RAB Membership- The participants agreed that since Gould Island is a part of Jamestown, that the community should be represented on the RAB. It was agreed that a non-technical training packet should be developed for potential applicants and new RAB members.

RAB Meeting Agenda/Order of Business – The participants agreed that Roberts Rule of Order should be followed in the RAB meetings.

Participation in Technical Meetings – The participants agreed that the RAB should monitor the Remediation Program Manager (RPM) Technical meetings. This includes:

- RAB receives the agenda for each meeting in advance.
- RAB receives minutes of each meeting to be provided with the RPM monthly status report to the RAM. Minutes to include a list of major decisions/issues resolved and list of major issues in disagreement/not resolved.
- RAB be permitted to have a community member attend the RPM Technical Meeting.

Budgets – The participants understand the purpose to which the RAB budget can be used. The new Administrative support contract that includes 20 hours per week can improve support to RAB committees and RAB in general. As a member of the Planning Committee, John Palmieri agreed to work with Jim Shafer to get a better understanding of the remediation budget.

New Business: From meeting of March 17, 1999

There was a discussion among the community members about how they could communicate better and get a clearer understanding about the TAG meetings. It was suggested that a community RAB member involve themselves in the TAG meetings, or a copy of the TAG meeting minutes be given to the RAB members.

There were additional concerns about what the functions of the RAB and TAG committees were. Gene Love stated that the information that is generated in the TAG meeting is highly technical and a lot to absorb. It was concluded in order to get a feel for this information; a RAB person will attend the TAG meetings for the next two months.

Any technical comments mentioned at the meeting that need to be clarified, it is requested that a formal request for clarification be put in writing and submitted to the appropriate committee for response.

Forming additional committees within the community RAB were discussed, such as:

- Administrative Committee that would oversee administrative functions such as training materials.
- Task Committee or group to follow certain sites of interest.
- Public Information Committee be formed to get the information out into the community via the Internet, Newspaper, or such avenues of communication.

The Community RAB meeting concluded at 7:00PM.

RAB ATTENDANCE SHEET 3/17/99

	NAME (PRINTED)	ORGANIZATION/TITLE
✓	1. MARY A BLAKE	
✓	2. Tom McGrath	
✓	3. Claudia B. WEISSINGER	
✓	4. Betsy Everett	
✓	5. Anthony M. DiMonica	
✓	6. Gene Lojek	
✓	7. David Brown	
✓	8. BARBARA Barrow	
✓	9. Liz Mathews	Friends of the Waterfront
✓	10. David Peterson	EPA
✓	11. Alice Kuzyna	EPA
✓	12. Byron Hall	
✓	13. SHANNON BEHR	SAIC
✓	14. DAVID SANDERS	Naval Station PAO
✓	15. Kathy Abbass	
	16. JOSEPH MELLO	NEWPORT LABORER 673
	17. MANUEL FURTADO	LOCAL 673
✓	18. RICHARD GOTTLIEB	RIDEM
✓	19. Beth Timm	NOSSR
✓	20. JOHN VITKEVICH	PORTSMOUTH
✓	21. CAPT OAKLEAF	NAVAL STATION Newport
✓	22. Rick MacLeod	NUWC
✓	23. James Wilcox	EDA
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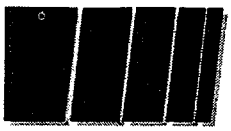
Excl.

March 17-18,1999

Old Fire Fighting Training Area Ecological Risk Assessment

Greg Tracey, Science Applications International Corporation
James Quinn, University of Rhode Island
John King, University of Rhode Island
Chris Kincaid, University of Rhode Island



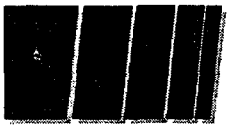
Old Fire Fighting Training Area ERA: BACKGROUND

OFFTA site facts pertinent to need for the ERA investigation include:

- **Location on northern Coasters Harbor Island next to Coasters Harbor on the lower East Passage of Narragansett Bay;**

- **Use as a fire fighting training from the 1940's until 1972 where a water/oil mixture was sprayed onto the training buildings and set on fire;**

- **Prior onshore investigations indicated that inorganic constituents and PAHs were elevated in shoreline and nearshore sediment as well as in mussel samples located at the near shore locations.**



Old Fire Fighting Training Area ERA: Conceptual Models

Four Conceptual Models for CoC Transport and Fate are implemented for support the ERA study design:

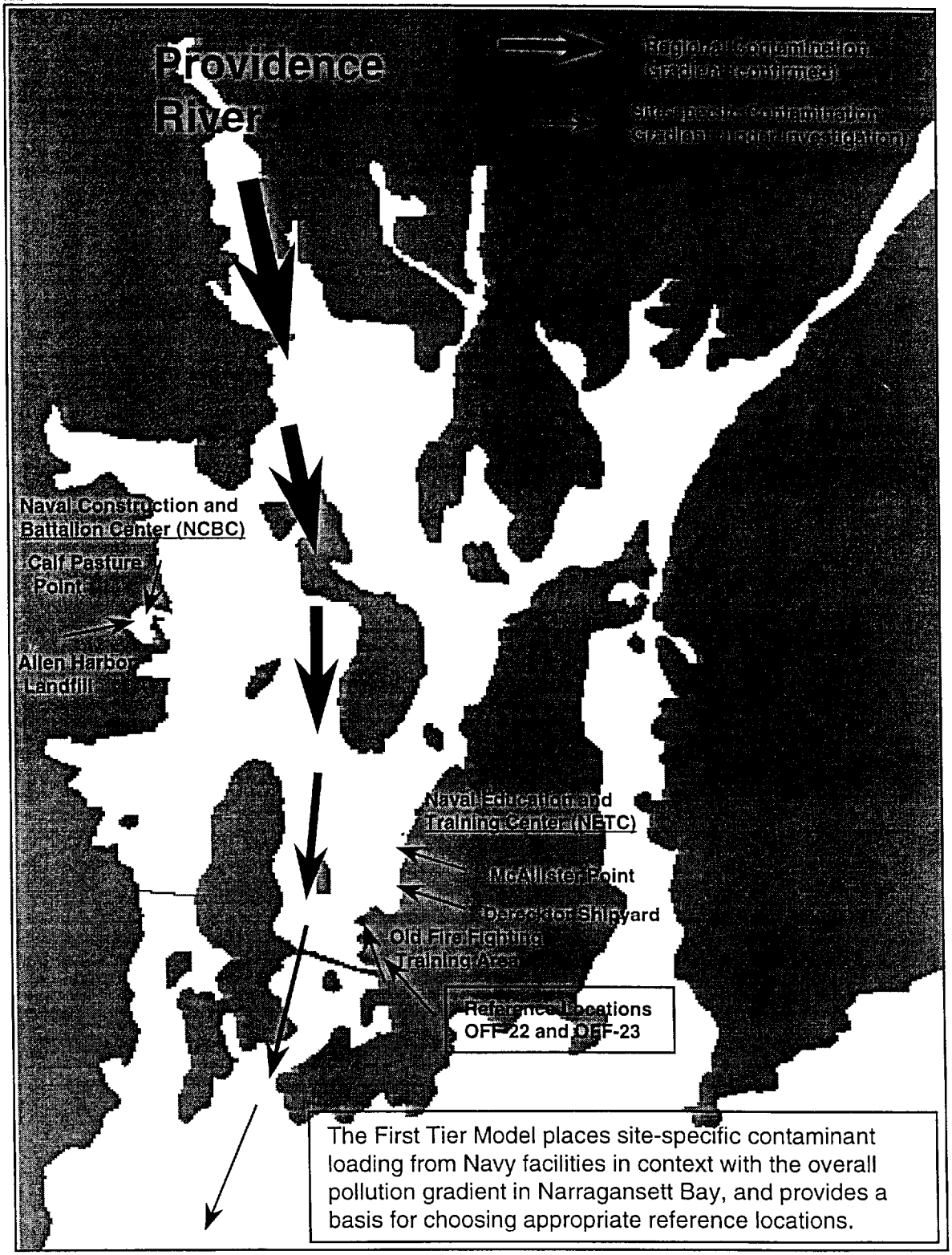
- **The first Tier Model is used for all the site-specific ERAs to evaluate reference location selection;**

- **The Second Tier Model identifies surface runoff, storm drains, a sewage treatment plant discharge, and other Navy facilities as sources of CoCs to the study site;**

- **The Third Tier model addresses contaminant mobility, and;**

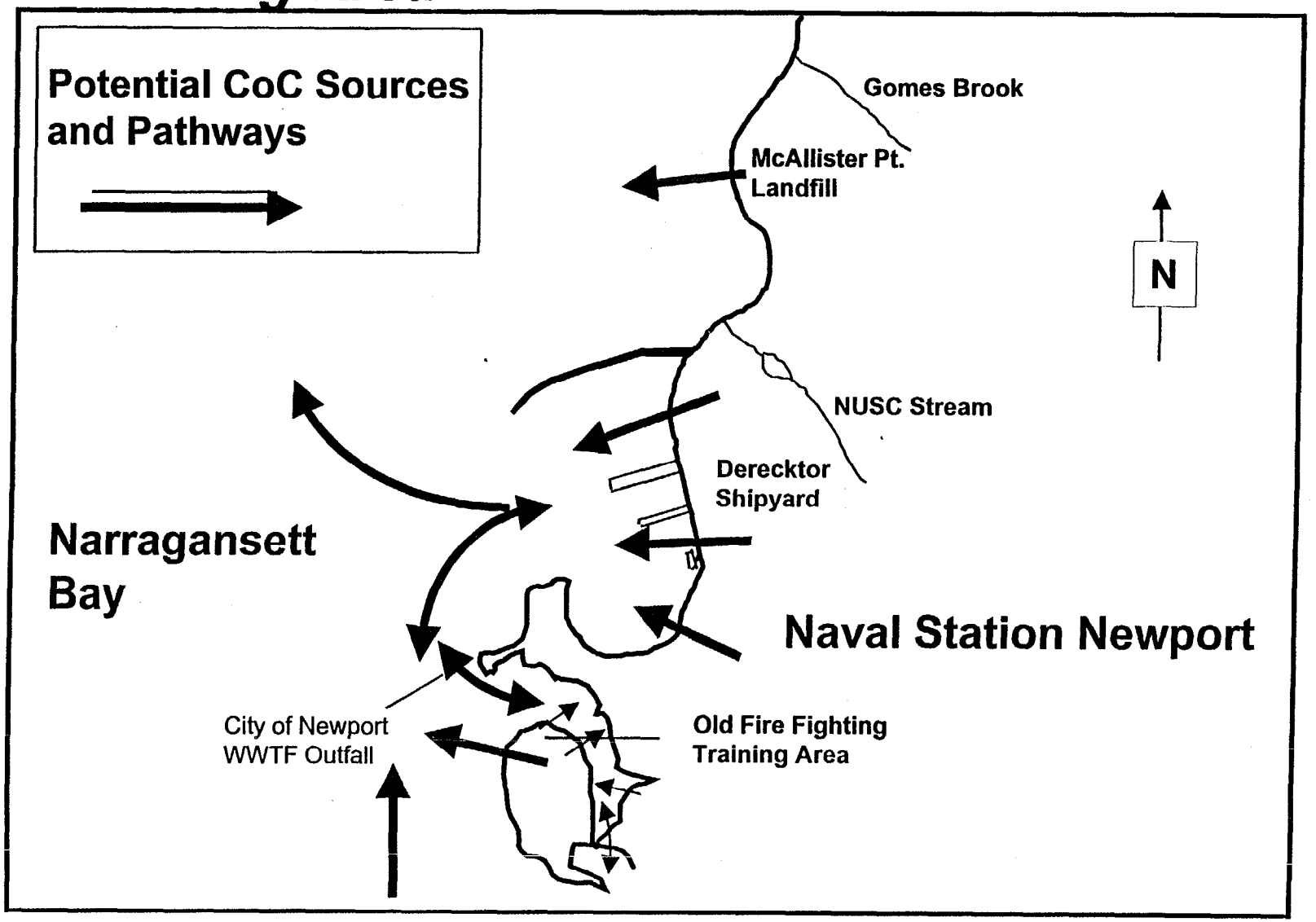
- **The Tier IV model addresses CoC bioavailability. Aspects of CoC transport and fate defined by models are directly addressed as components of the sampling plan.**

First Tier Conceptual Model for Contaminant Transport in Narragansett Bay

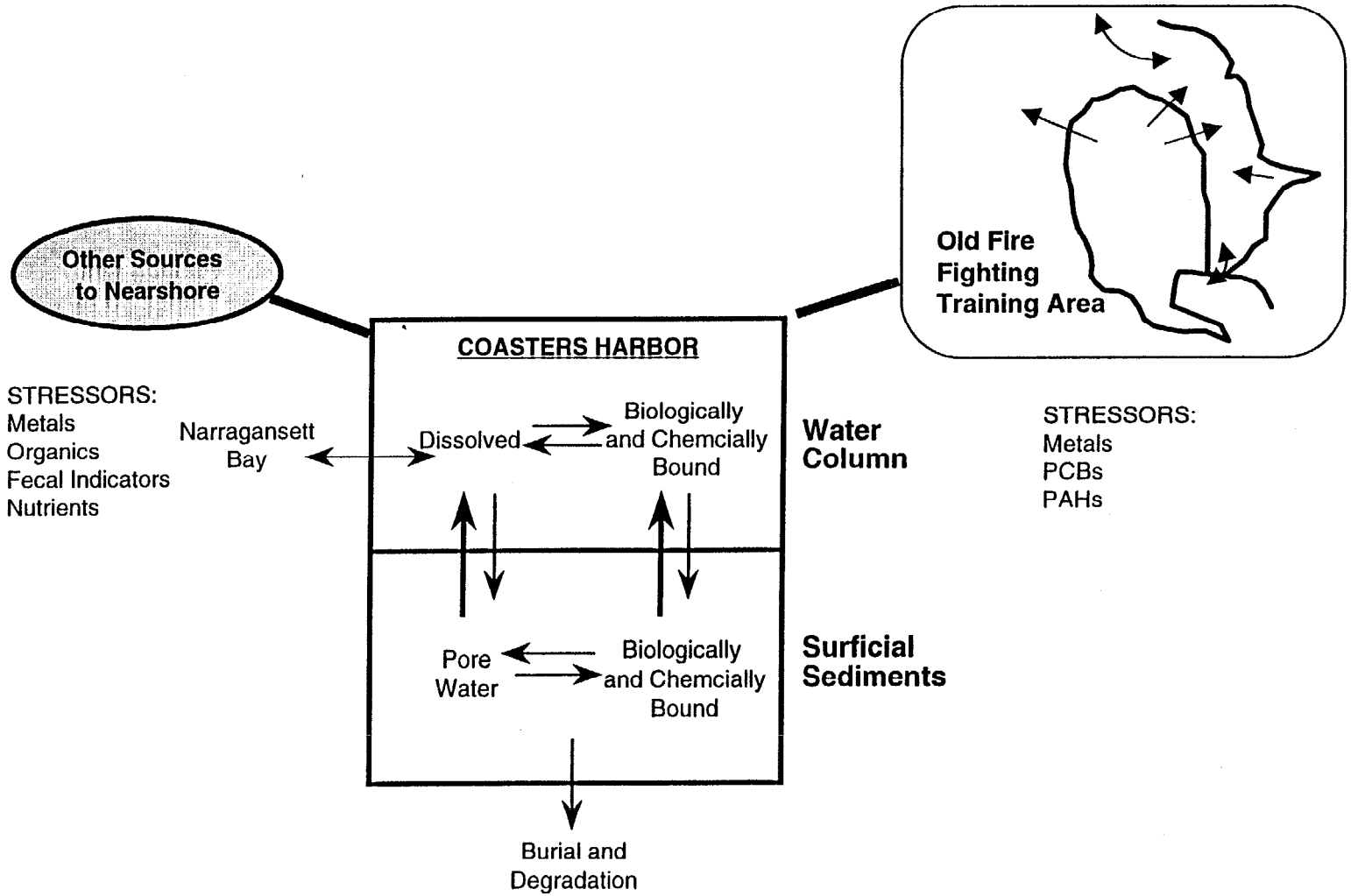


Old Fire Fighting Training Area
Ecological Risk Assessment

Second Tier Conceptual Model of Contaminant Transport and Fate for the Old Fire Fighting Training Area

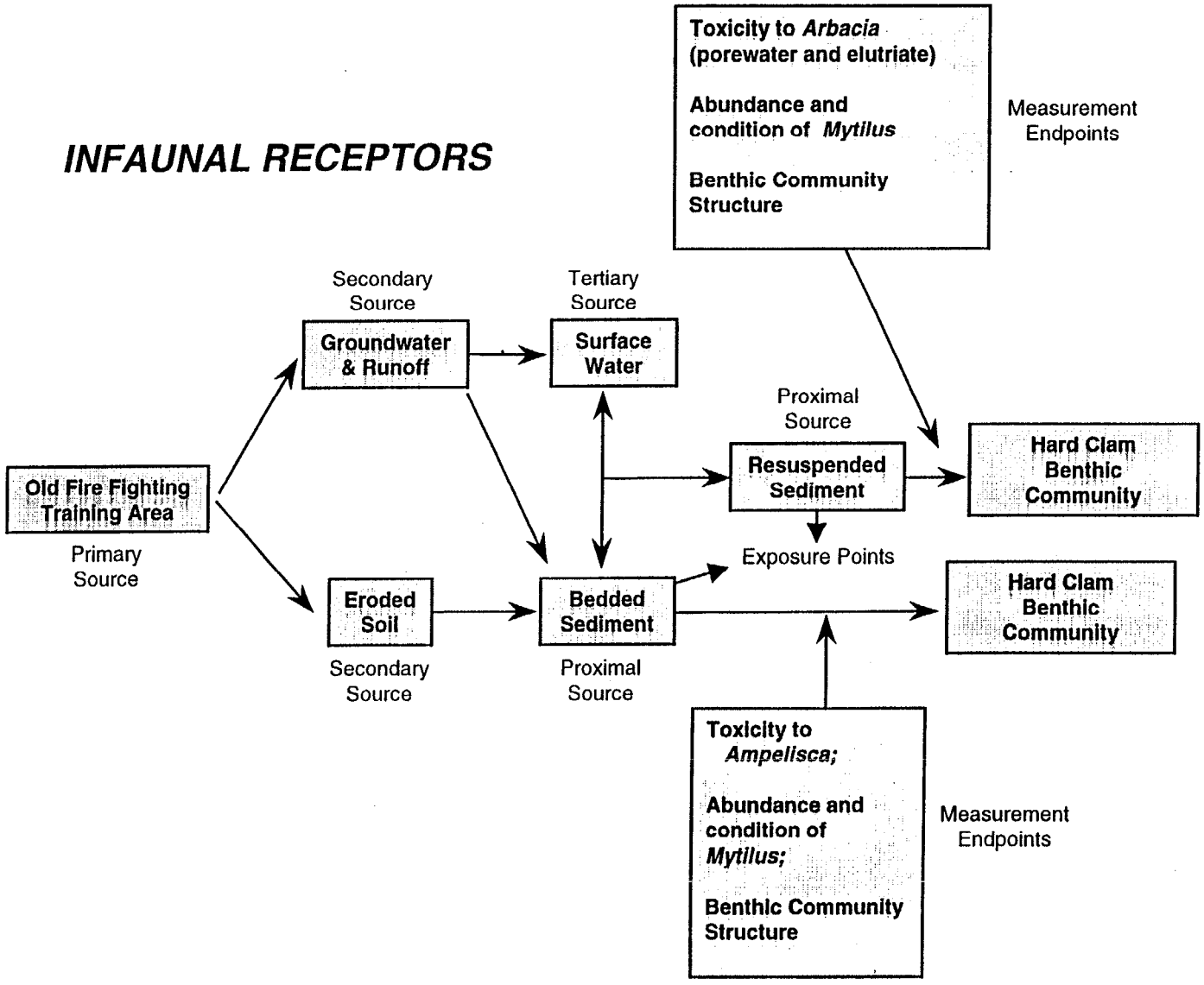


Third Tier Conceptual Model of Contaminant Transport and Fate for the Old Fire Fighting Training Area ERA



Old Fire Fighting Training Area
Ecological Risk Assessment

Fourth Tier Conceptual Model for Contaminant Fate and Transport for the Old Fire Fighting Training Area ERA: Exposure Pathway to Infaunal Organisms



Old Fire Fighting Training Area
Ecological Risk Assessment

Old Fire Fighting Training Area ERA: Sampling Plan

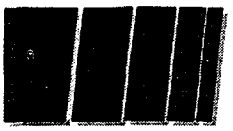
The OFFTA ERA design plan includes sampling and survey activities to support model data needs:

- **Hydrographic surveys identified prevailing circulation patterns in Coasters Harbor;**

- **Sediment surveys including collection of surface and core sediment samples for chemical analysis, grain size analysis, organic carbon content, and lithological description.**

- **Biota sampling of "target receptors" meant to represent major habitat types including:**
  - **infaunal (hard clams);**
  - **epifaunal (mussels); scavenger (lobster);**
  - **benthically-coupled fish (cunner);**
  - **pelagic species (deployed mussels as surrogates); and**
  - **avian predators (modeling).**

- **Sediment and biota stations were co-located and positioned to reflect harborfront inputs as well as inshore-offshore gradients.**



Old Fire Fighting Training Area ERA: Risk Characterization

Risk characterization is the process of describing the strength of relationships between measures of chemical exposure and biological effects.

Weights of Evidence (WoE) for Exposure Characterization included:

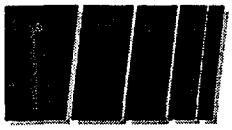
- **Bedded sediment exposure (sediment and porewater concentration compared to benchmarks/water quality criteria;**
- **Resuspended sediment exposure (elutriate concentrations compared to WQC);**
- **Bioconcentration (tissue concentrations relative to reference station biota).**

WoE for Effects Characterization included:

- **Toxicity (sediment, porewater and elutriate tests),**
- **Field Effects (bivalve condition, benthic community structure, neoplasia incidence in mussels and modeled impacts on Avian Predators from prey tissue consumption);**
- **Tissue Residue Effects (comparison of tissue concentrations with residue-based benchmarks);**

For Risk Characterization, the WoE data were qualitatively summarized for:

- **Extent of co-occurrence between exposure and effects;**
- **Demonstration of exposure-response relationships.**



Old Fire Fighting Training Area ERA: Risk Summary

In the assessment of marine ecological risks to aquatic species of concern (mussels, clams, lobster, cunner and seabirds):

(#5)

- **Only one OFFTA station was determined to pose a high probability of ecological risk; the principal CoCs responsible for this risk were organics (PAHs) and metals (cadmium, chromium and copper).**

- **An intermediate probability of ecological risks was assigned to eight OFFTA stations, as well as one reference location; in general, the same aquatic receptors and CoCs as observed for high risk stations were of concern, but at lower levels.**

- **A low probability of ecological risks was assigned to the remaining 12 OFFTA stations and one reference location; CoC concentrations were generally low and definitive exposure-response relationships were not observed.**

- **A baseline probability of risk representative of relatively pristine environmental conditions was not assigned to any stations including reference locations; other sources, such as the Newport outfall, stormwater outfalls, and industrial activities and recreational boating in nearby Newport Harbor contribute CoCs to the study area.**

Overall Summary of Exposure and Effects Weights of Evidence and Characterization of Risk for the Old Fire Fighting Training Area ERA

WEIGHT OF EVIDENCE SUMMARY									
	CHEMICAL EXPOSURE				BIOLOGICAL EFFECTS				RISK PROBABILITY
Station	Bedded Sediment	Resuspended Sediment	Bioconcentration	Ranking	Sediment Toxicity	Field Effects	Tissue Residue Effects	Ranking	Ranking
OFF-01	+	+	++	I	+	+	++	I	Intermediate
OFF-02	+++	+	++	H	-	+	-	L	Intermediate
OFF-03	+++	+	++	H	-	+	+	L	Intermediate
OFF-04	++	++	++	I	-	+	-	L	Low
* OFF-05	+++	++	+	H	+++	++	-	H	High
OFF-06	+++	+	+	H	-	+	-	L	Intermediate
OFF-07	+	+	++	I	-	+		L	Low
OFF-08	+	+	+	L	-	+	-	L	Low
OFF-09	+	++		I	++	-	-	I	Intermediate
OFF-10	+	+	+	L	-	+	-	L	Low
OFF-11	+	+	+	L	-	+	-	L	Low
OFF-12	+	+	++	I	-	+	-	L	Low
OFF-13	+	+	++	I	+	+	++	I	Intermediate
OFF-14	+	++	++	I	-	++	+	I	Intermediate
OFF-15	+	+	++	I	-	++	+	I	Intermediate
OFF-16	+	+	+	L	-	+	-	L	Low
OFF-17	+	++	+	I	-	+	+	L	Low
OFF-18	+	++	+	I	++	+	+	I	Intermediate
OFF-19	+	+	+	L	-	++	+	I	Low
OFF-20	+	++	+	I	++	+	-	I	Intermediate
OFF-21	+	+	+	L	+	+	+	L	Low
OFF-22	+	+		L	-	+	+	L	Low
OFF-23	+	++		I	++	+	+	I	Intermediate

B = Baseline risk; L = Low probability of risk; I = Intermediate probability of risk; H = High probability of risk.

Old Fire Fighting Training Area
Ecological Risk Assessment

*Risk Rankings are Preliminary Pending EAB Concurrence